



CARLO GAVAZZI SPACE SpA

AMS02-PDS

DOC N°: PDS-RP-CGS-039

ISSUE : 1 DATE: 23/07/2008

PAGE : 1 of 2

INSPECTION REPORT

APPLICABLE DOC. REF.

AMS02-PDS PFM Manufacturing and Inspection Plan PDS-PL-CGS-001
is. 1

PROC. REF.

N.A.

ITEM INSPECTED (Name, P/N, S/N) AMS02-PDS PFM – Esem 3-A Board Assy p/n:11-AMS02PDS-300.00
s/n:08— Inspection Point.

REQUIREMENT SATISFIED

Manufacturing according to aerospace standards

INSPECTION (Action/Results)

DESCRIPTION

Inspection was performed at Carlo Gavazzi Space premises starting on 23 July 2008 and was carried out on the following board, detail of the inspected board was below reported:

- 1) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:08 (pcb s/n:07/035/C).

HARDWARE REVIEW

1) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:08 (pcb s/n:07/035/C), Assy:11-AMS02PDS-300.00 rev./, Parts List:11-AMS02PDS-300.01 rev.A, Electrical Scheme:11-AMS02PDS-300.02 rev./, Master PCB:11-AMS02PDS-300.03 rev./.

The following PLVs (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-300.01 rev A – A1 can be considered closed.
- 11-AMS02PDS-300.01 rev A – A3 can be considered closed.
- 11-AMS02PDS-300.01 rev A – A6 can be considered closed.
- 11-AMS02PDS-300.01 rev A – A7 can be considered closed.
- 11-AMS02PDS-300.01 rev A – A8 can be considered closed.
- 11-AMS02PDS-300.01 rev A – A21 can be considered closed.
- 11-AMS02PDS-300.01 rev A – A22 can be considered closed.
- 11-AMS02PDS-300.01 rev A – A23 can be considered closed.
- 11-AMS02PDS-300.01 rev A – A24 can be considered closed.

The following NCRs were presented during the inspection:

- NCR-PDS-CGS-C-022(mechanical assembly problems), NCR classified "minor" is closed.
- NCR-PDS-CGS-C-049(rubber silicon sheet missing under U22 component), NCR classified "minor" is closed.
- NCR-PDS-CGS-C-066(D54 missing connection), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added wire with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.

Operator

Quality Assurance

C.C.

Signature


Date

E. FRANCINI

23/04/08

C. CINQUEPACI

e. cinquelpaci
23/07/08

| | | |
|--|-------------------------|---|
|  <p>CARLO GAVAZZI</p> <p>CARLO GAVAZZI SPACE SpA</p> | <p>AMS02-PDS</p> | <p>DOC N°: PDS-RP-CGS-039</p> <p>ISSUE : 1 DATE: 23/07/2008</p> <p>PAGE : 2 of 2</p> |
|--|-------------------------|---|

INSPECTION REPORT

| | |
|--|---|
| <p>APPLICABLE DOC. REF.</p> <p>See page 1</p> | <p>PROC. REF.</p> <p>See page 1</p> |
| <p>ITEM INSPECTED (Name, P/N, S/N)</p> <p>See page 1</p> | |
| <p>REQUIREMENT SATISFIED</p> <p>See page 1</p> | |
| <p>INSPECTION (Action/Results)</p> <ul style="list-style-type: none"> NCR-PDS-CGS-C-078(voltage supply of U3 not correct), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework. NCR-PDS-CGS-C-082(voltage supply of U3 not correct), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the added wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework. NCR-PDS-CGS-C-084(signal I/F problem), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: perform functional check, perform a visual inspection on the added resistor and wires. <p>On the pcb the U25 (FPGA) component is not mounted.</p> <p>The H/W has been visually inspected and is ok: no damage, visible clean is ok.</p> <p>CONCLUSION</p> <p>All solder joints are of adequate quality, the soldering process complies to ECSS-Q-70-08A and ECSS-Q-70-38A, all modifications are performed according to ECSS-Q-70-28A. On the pcb the U25 (FPGA) component is not mounted.</p> | |
| <p>Operator</p> | <p>Quality Assurance</p> |
| <p>Signature</p> <p>Date</p> | <p><i>E. FRANCINI</i></p> <p><i>23/07/08</i></p> <p>C.C. <i>C. CINQUEPACI</i></p> <p><i>e. cinquepaci</i></p> <p><i>23/7/08</i></p> |